



**NATIONAL
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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr. Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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AGRICULTURAL NEWS: Skies last week yielded no rain until the weekend and daytime temperatures rose to hazardous levels. Producers have become very concerned about the lack of precipitation and the stress of the heat on crops. A good soaking rain is needed to refresh pastures and ponds. Average rainfall for the week totaled 0.38 inches statewide, which is 0.37 inches below normal. The largest rainfall amount reported from a weather station was for Morganfield at 1.38 inches. **Topsoil moisture** was rated 29 percent very short, 43 percent short, 27 percent adequate and 1 percent surplus. **Subsoil moisture** was rated 21 percent very short, 47 percent short, 30 percent adequate and 2 percent surplus. There were 6.5 days out of a possible 7 that were suitable for fieldwork. Main farm activities for the week included cutting and housing tobacco, preparing for and harvesting corn, and clipping pastures.

ROW CROPS: **Corn** crop condition was rated as 2 percent very poor, 8 percent poor, 33 percent fair, 45 percent good, and 12 percent excellent. Corn harvested was 7 percent, compared to 30 percent last year and 14 percent on average. Thirty-seven percent of the corn acreage was considered mature, well behind the 74 percent for the previous year and the five year average of 58 percent. Seventy-one percent had dented, also behind the 93 percent of a year ago and 88 percent for the average. Eighty-six percent of the corn has reached the dough stage, behind both 100 percent for the previous year and 98 percent for the average. Due to the probable impact of dry and at times hot conditions during pollination, growers remain concerned about adequate kernel fill. Soon it will be too late for the later planted fields to get much benefit from moisture. **Soybean** condition was rated 3 percent very poor, 13 percent poor, 39 percent fair, 38 percent good, and 7 percent excellent. Soybeans setting pods was at 90 percent, behind both last year at 100 percent and 93 percent for the average. Ten percent of soybeans were shedding leaves, compared to 28 percent last year, and 12 percent for the five year average. Farmers are increasingly concerned about pod fill due to the heat and lack of adequate moisture.

TOBACCO: Set tobacco condition was rated at 4 percent very poor, 12 percent poor, 32 percent fair, 41 percent good, and 11 percent excellent. No major disease problems were reported. Burley tobacco cut

was at 49 percent, compared to 57 percent last year and 54 percent for the average. Dark tobacco cut, was 48 percent, slightly behind 51 percent for the previous year, and 49 percent for the five year average. Some producers are concerned about unfavorable curing conditions due to the lack of moisture in the air. Ten percent of respondents reported evidence of houseburn. Housed tobacco condition was rated at 2 percent very poor, 6 percent poor, 36 percent fair, 50 percent good, and 6 percent excellent.

OTHER CROPS AND PASTURE: **Pastures** continued to deteriorate last week and producers have begun feeding hay to livestock. Pasture condition was reported as 13 percent very poor, 23 percent poor, 36 percent fair, 26 percent good, and 2 percent excellent. Hay crop condition was rated at 10 percent very poor, 18 percent poor, 41 percent fair, 27 percent good, and 4 percent excellent.

CROP PROGRESS for week ending 09/04/11

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Dough	86	76	100	98
Corn Dent	71	56	93	88
Corn Mature	37	16	74	58
Corn Harvested	7	NA	30	14
Soybeans Setting Pods	90	82	100	93
Soybeans Dropping Leaves	10	4	28	12
Burley Tobacco Cut	49	36	57	54
Dark Tobacco Cut	48	40	51	49

SOIL MOISTURE for week ending 09/04/11

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	29	43	27	1
Subsoil	21	47	30	2

CROP CONDITIONS for week ending 09/04/11

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	2	8	33	45	12
Soybeans	3	13	39	38	7
Pasture	13	23	36	26	2
Hay Crops	10	18	41	27	4
Tobacco Set	4	12	32	41	11
Tobacco Housed	2	6	36	50	6

KENTUCKY WEATHER SUMMARY, AUGUST 29 - SEPTEMBER 4, 2011:

Above Normal Temperature and Below Normal Rainfall:

This past week the Commonwealth experienced the hot weather from earlier this summer. Highs were well above normal, with most days topping out in the mid to upper 90s and even the low 100s in some locations. Rainfall was also below normal for the 7th straight week. Most all of the week was rain free until a cold front moved through the state on Sunday. This brought everything from a trace of rainfall to over an inch across the state.

Temperatures for the period averaged 78 degrees across the state which was 4 degrees warmer than normal and 2 degrees warmer than the previous period. High temperatures averaged from 92 in the West to 90 in the East. Departure from normal high temperatures ranged from 5 degrees warmer than normal in the West to 5 degrees warmer than normal in the East. Low temperatures averaged from 66 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 2 degrees warmer than normal in the West to 3 degrees warmer than normal in the East. The extreme high temperature for the period was 102 degrees at Louisville and the extreme low was 46 degrees at Richmond.

Rainfall for the period totaled 0.38 inches statewide which was 0.37 inches below normal and 51% of normal. Rainfall totals by climate division, West 0.40 inches, Central 0.44 inches, Bluegrass 0.45 inches and East 0.24 inches, which was 0.28, 0.37, 0.28 and 0.54 inches below normal. By station, rainfall totals ranged from a low of 0.00 inches at Louisville to a high of 1.38 inches at Morganfield.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, SEPTEMBER 4, 7:00 P.M.

Weather Station	Rainfall			Dev. From		Air Temperature				Growing Degree Days			
	=====			=====		=====				=====			
	Since Last	April Four	Last Four	Norm Since	Norm Last	Dev.			Since	Dev.			
	Week	1	Wks.	Apr 1	4 Wks.	Hi	Lo	Wkly. Avg.	From Norm	Last Week	Apr 1	Since Apr 1	
=====													
	(Inches)					(Degrees F)							
Bardstown	0.72	37.24	2.23	+15.87	-1.24	99	57	79.2	+8	175	3275	+321	
Berea	0.43	25.15	1.08	+3.19	-2.54	98	46	75.6	+5	158	3068	+17	
Bowling Gree	0.41	28.64	1.19	+6.46	-2.02	101	57	80.8	+10	181	3562	+481	
Bristol	0.00	20.08	2.06	+1.42	-0.83	99	57	77.9	+7	171	3386	+554	
Buckhorn Lak	0.19	32.63	3.41	+11.64	+0.10	92	52	74.4	+4	161	3018	+343	
Cape Girarde	0.00	37.12	1.12	+16.52	-2.06	98	57	78.6	+5	174	3493	+258	
Campbellsvil	1.22	28.74	2.80	+4.09	-1.36	99	51	77.3	+6	167	3195	+174	
Covington	0.50	35.67	1.73	+15.83	-1.25	100	58	78.6	+8	177	3154	+355	
Cumberland G	0.09	26.23	2.80	+3.07	-0.96	95	53	75.6	+5	163	3241	+439	
Dix Dam	0.52	30.10	1.83	+8.16	-1.64	98	51	78.0	+8	174	3206	+217	
Evansville	0.58	34.37	1.16	+14.56	-1.64	100	57	79.3	+6	176	3438	+356	
Glasgow	0.00	30.01	1.29	+5.94	-2.35	98	57	78.3	+7	177	3379	+388	
Grayson	0.03	34.07	2.15	+13.36	-1.12	95	50	74.8	+4	159	3016	+371	
Hardinsburg	0.01	37.04	0.54	+15.03	-2.87	99	53	78.1	+7	174	3276	+191	
Henderson	0.11	31.42	0.23	+11.10	-2.69	99	54	77.4	+4	165	3347	+235	
Huntington	0.00	30.87	3.10	+10.07	-0.32	99	57	79.2	+9	178	3370	+541	
Jackson	0.00	31.47	2.04	+9.34	-1.53	96	58	78.1	+8	179	3202	+527	
Lexington	1.02	31.59	2.16	+10.22	-1.31	98	52	78.4	+8	177	3163	+330	
London	0.00	28.86	2.41	+8.53	-0.62	96	56	76.6	+6	169	3195	+397	
Louisville	0.00	34.73	2.10	+13.95	-1.06	102	60	82.1	+11	194	3625	+512	
Mayfield	0.29	31.12	1.13	+8.84	-2.36	98	54	77.0	+4	164	3426	+280	
Nashville	0.14	22.30	1.30	+1.60	-1.83	99	57	79.4	+8	178	3488	+184	
Nolin Lake	0.26	36.08	1.70	+12.79	-1.77	98	53	77.2	+6	167	3250	+387	
Paducah	0.18	37.10	0.42	+15.08	-2.66	99	57	79.3	+6	178	3531	+327	
Princeton	0.01	34.91	2.89	+12.56	-0.66	97	59	78.1	+5	176	3431	+254	
Quicksand	0.00	30.88	2.77	+8.75	-0.80	95	54	75.9	+5	164	3174	+499	
Somerset	0.00	23.59	0.23	+0.59	-3.34	99	51	77.7	+7	164	3129	+236	
Spindletop	0.00	30.87	1.03	+9.50	-2.44	98	52	78.3	+8	175	3163	+330	
Williamstown	0.01	30.63	0.74	+9.61	-2.57	98	54	77.4	+7	172	3079	+246	

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>